

**Notice of Allowability**

Application No.

10/624,854

Examiner

Tamai I.E. Karl

Applicant(s)

KIMURA ET AL.

Art Unit

2834

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/10/2006.
2. ☒ The allowed claim(s) is/are 1-3,5-7,9,13-19 and 22.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 10/6/2006
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☒ Other drawings 10/18/04 accepted.

**KARL TAMAI**  
**PRIMARY EXAMINER**  
*[Signature]*

Tamai I.E. Karl  
Primary Examiner  
Art Unit: 2834

## **DETAILED ACTION**

### ***Information Disclosure Statement***

1. The information disclosure statement filed 10/06/2006 fails to comply with 37 CFR 1.98(a)(2), which requires a legible copy of each cited foreign patent document; each non-patent literature publication or that portion which caused it to be listed; and all other information or that portion which caused it to be listed. A copy of EP 1209796 has not been provided by the Applicant, only an abstract and a copy of the cited references from EP 1209796. The examiner has lined through the reference on the IDS, but has considered US 6472780 which is the US equivalent of the cited EP reference.

### ***Drawings***

2. The drawings were received on 10/18/2004. These drawings are accepted.

### ***Reasons for Allowance***

3. The following is an examiner's statement of reasons for allowance: the prior art does not teach an electric compressor motor having a housing with a first thermal expansion coefficient and having an inner circumferential surface, the housing having an elastic part and a plurality of recesses which are formed near the elastic part and extending outwardly in the radial direction of the inner circumferential surface to define corresponding first voids. The electric motor includes a circular stator core pressed to an inside of the housing by tight fit where the housing has an outer circumferential

surface and a central axis and a second thermal expansion coefficient that is different from the first thermal expansion coefficient. The compressor mechanism is accommodated in the housing and connected to the electric motor for compressing gas as driven by the electric motor. The invention including second voids that are defined between the inner circumferential surface outside the recesses of the housing and the outer circumferential surface of the stator core so as to prevent the inner and the outer circumferential surfaces from contacting each other in a circular region, wherein the first voids and the second voids correspond to define a void which extends substantially along the length of the stator core in the direction of the central axis of the stator core, and wherein the elastic part of the housing is located near each of the first voids and elastically deforms when the housing and the stator core expand or shrink so as to tightly fit each other due to a differential between the first and the second thermal expansion coefficients.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karl I.E. Tamai whose telephone number is (571) 272 - 2036.

The examiner can be normally contacted on Monday through Friday from 8:00 am to 4:00 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Darren Schuberg, can be reached at (571) 272 - 2044. The facsimile number for the Group is (571) 273 - 8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Karl I Tamai  
PRIMARY PATENT EXAMINER  
October 30, 2006



KARL TAMAI  
PRIMARY EXAMINER